

Converting Colors

`RYB(185, 233, 98)`

Have a look what the booklet for
RYB(185, 233, 98) contains.

RYB(185, 233, 98)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(185, 233, 98)$

Conversions

Conversions Part 1

Format	Color
Hex	E9B462
RGB	233, 180, 98
RGB Percent	91%, 71%, 38%
CMY	0.0863, 0.2937, 0.6157
CMYK	0.00, 0.23, 0.58, 0.09
HSL	36°, 75%, 65%
HSV	36°, 58%, 91%
XYZ	52.1492, 50.8862, 18.6287
YIQ	186.4990, 57.9100, -14.2660

Conversions

Conversions Part 2

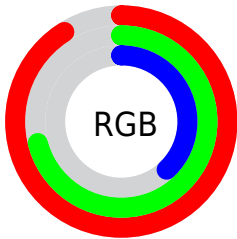
Format	Color
RYB	185, 233, 98
Decimal	15316066
CIELab	76.61, 10.15, 48.64
CIElCh	77, 49.690, 78.215
Yxy	50.8862, 0.4286, 0.4183
Android (android.graphics.Color)	4293506146 (0xFFE9B462)
YUV	186.4990, -43.6300, 40.7814
Hunter-Lab	71.3346, 5.6572, 34.4509

Details

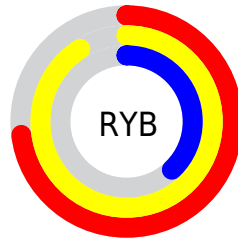
The RYB color **185, 233, 98** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **98, 136, 233**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **174, 255, 151**, and **122, 174, 47** is the 20% darker color. If you saturate the color by 10%, you get **177, 233, 75**, and if you desaturate by 10%, it is **193, 233, 121**.

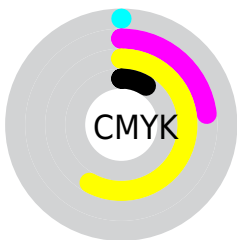
Distribution



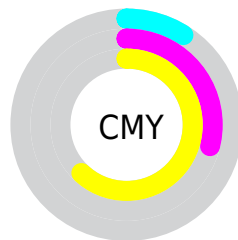
- Red (91%)
- Green (71%)
- Blue (38%)



- Red (73%)
- Yellow (91%)
- Blue (38%)



- Cyan (0%)
- Magenta (23%)
- Yellow (58%)
- Black (9%)




- Cyan (9%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 185, 233, 98 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 185, 233, 98 by changing the saturation by 10% instead.

 185, 233, 98

 185, 233, 98


255, 255, 255

 154, 203, 73

 174, 255, 151

 122, 174, 47

 178, 255, 178

 83, 145, 20

 206, 255, 206

 56, 117, 0

 235, 255, 235

 55, 90, 0

 50, 63, 0

 38, 22, 0

 0, 0, 0

 185, 233, 98

 185, 233, 98

177, 233, 75

193, 233, 121

167, 233, 51

203, 233, 145

159, 233, 28

211, 233, 168

151, 233, 5

217, 233, 191

149, 233, 0

226, 233, 215

233, 234, 238

233, 240, 255

233, 243, 255

233, 244, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



255, 183, 122



185, 233, 98



99, 195, 104

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



185, 233, 98



0, 107, 216



228, 166, 251

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



185, 233, 98



98, 136, 233

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



165, 181, 255



185, 233, 98



0, 115, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



185, 233, 98



65, 151, 212



66, 144, 255



255, 153, 209

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



185, 233, 98



115, 203, 162



66, 144, 255



210, 172, 255

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



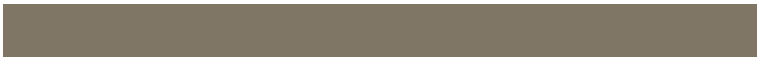
185, 233, 98



240, 255, 212



233, 98, 152



118, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



185, 233, 98



192, 255, 77



98, 233, 111



112, 117, 106



117, 181, 0



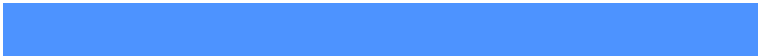
34, 54, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



98, 136, 233



77, 127, 255



111, 98, 233



106, 109, 117



0, 51, 181



0, 15, 54

Previews

White Background



This preview shows how the RYB color 185, 233, 98 looks on a white background.

Color Contrast Check

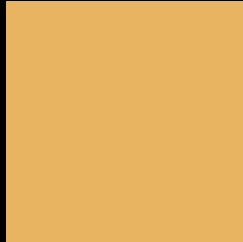
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 185, 233, 98 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 185, 233, 98 Background



This preview shows how black text looks on a background with the RYB color 185, 233, 98.



This preview shows how white text looks on a background with the RYB color 185, 233, 98.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
185, 233, 98

Protanopia
126, 209, 101

Deuteranopia
183, 232, 98



Tritanopia
240, 170, 183

Trichromacy



Original Color

185, 233, 98

Protanomaly

144, 218, 100

Deuteranomaly

183, 232, 98

Tritanomaly

237, 182, 152

Monochromacy



Original Color

185, 233, 98

Achromatopsia

187, 187, 187

Achromatomaly

189, 204, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 185, 233, 98 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 180, 98)` looks like.

```
.text, #text, p{  
    color:rgb(233, 180, 98)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 180, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 180, 98) }
```

Border

The CSS property to change the border of an element to RYB 185, 233, 98 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 180, 98) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 180, 98) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 180, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 180, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 180, 98);  
box-shadow:4px 4px 4px 4px rgb(233, 180,  
98) }
```

Background

The CSS property to change the background color of an element to RYB 185, 233, 98 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 180, 98) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
180, 98) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor